

M12 male 0° / M12 female 90° A-cod.

PVC 12x0.14 bk 3m

Male straight – female 90°

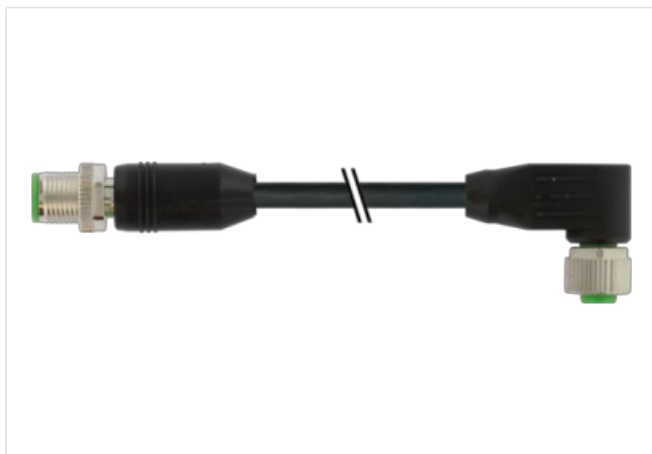
M12 – M12, 12-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

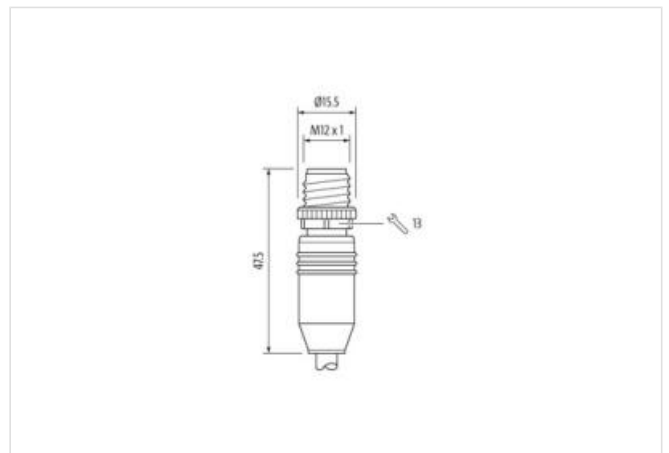
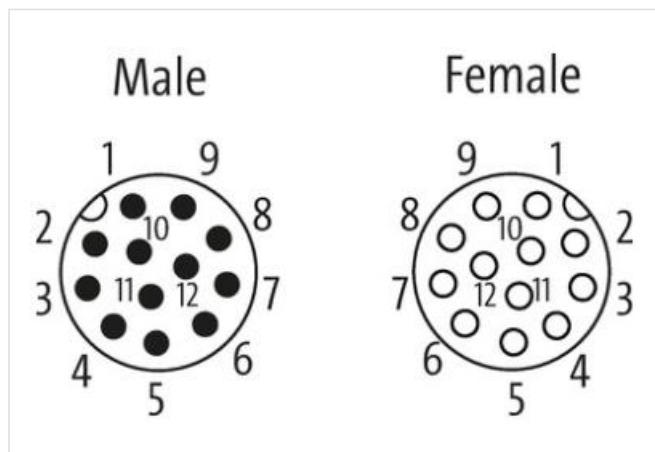
Plastic housings with good resistance against chemicals and oils.

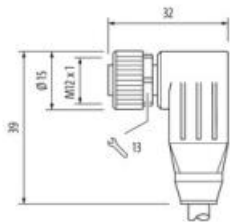
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**

1	brown	1
2	blue	2
3	white	3
4	green	4
5	pink	5
6	yellow	6
7	black	7
8	gray	8
9	red	9
10	violet	10
11	gray/pink	11
12	red/blue	12





Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879496759
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A

Device protection | Electrical

Degree of protection (ISO 20653:2013)	IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	II

Mechanical data | Material data

Coating locking	Nickeled
Locking material	Zinc die-casting

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

Cable identification	493
Jacket Color	gray
Amount stranding	1
Stranding	6 wires twisted
Cable shielding (type)	copper braiding, bare
Filler	yes
wire arrangement	white, brown, green, yellow, gray, pink, blue, red
Cable weight	37,4 g/m
Material jacket	PUR
Outer-diameter (jacket)	5,2 mm
Tolerance outer diameter (sheath)	± 5 %
Amount wires	6
Outer diameter insulation	1,05 mm
Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)	18
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,14 mm²
Material conductor wire	Stranded copper wire, bare
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	4 Mio.

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18

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